

## CLAIMS

1. A flame-retardant polyamide composition which comprises 10 to 80% by mass of a polyamide (A), 5 to 40% by mass of a flame retardant (B), 0.5 to 10% by mass of zinc borate and at least one other salt of zinc (C), 0 to 60% by mass of an inorganic reinforcing material (D), and 0 to 5% by mass of a drip preventing agent (E).
2. The flame-retardant polyamide composition according to claim 1, wherein the at least one other salt of zinc is at least one selected from zinc phosphate, zinc stannate and calcium zinc molybdate.
3. The flame-retardant polyamide composition according to claim 1 or 2, wherein the zinc borate and at least one other salt of zinc are zinc borate and zinc phosphate, and the mass ratio of zinc borate and zinc phosphate is 1 : 0.1 to 1 : 5.
4. The flame-retardant polyamide composition according to claim 1 or 2, wherein the polyamide (A) comprises 100% by mole of recurring units comprising a dicarboxylic acid component unit (a-1) consisting of 30 to 100% by mole of a

terephthalic acid component unit, 0 to 70% by mole of an aromatic dicarboxylic acid component unit other than terephthalic acid, and/or 0 to 70% by mole of an aliphatic dicarboxylic acid component unit having 4 to 20 carbon atoms (provided that the total amount of these dicarboxylic acid component units is 100% by mole), and a diamine component unit (a-2) consisting of an aliphatic diamine component unit and/or an alicyclic diamine component unit.

10      5. The flame-retardant polyamide composition according to claim 1 or 2, wherein the polyamide (A) comprises 50 to 100% by mole of 1,6-diaminohexane with respect to the diamine component unit, and has a melting point in the range of 290 to 350°C, and an intrinsic viscosity  $[\eta]$ , as measured in a concentrated sulfuric acid at 25°C, in the range of 0.5 to 3  
15      dl/g.

6. A molded product made of the flame-retardant polyamide composition according to claim 1 or 2.

20

7. A connector made of the flame-retardant polyamide composition according to claim 1 or 2.

8. The flame-retardant polyamide composition according to

SF-1281

33

claim 1 or 2, which has flammability equivalent to V-0 as evaluated in accordance with UL94, the amount of bromine gas generated upon molding of 0.1 ppm or less, a reflow heat-resistant temperature of 260°C or higher, a toughness of 40  
5 mJ or more, and a flow length of 60 mm or longer.